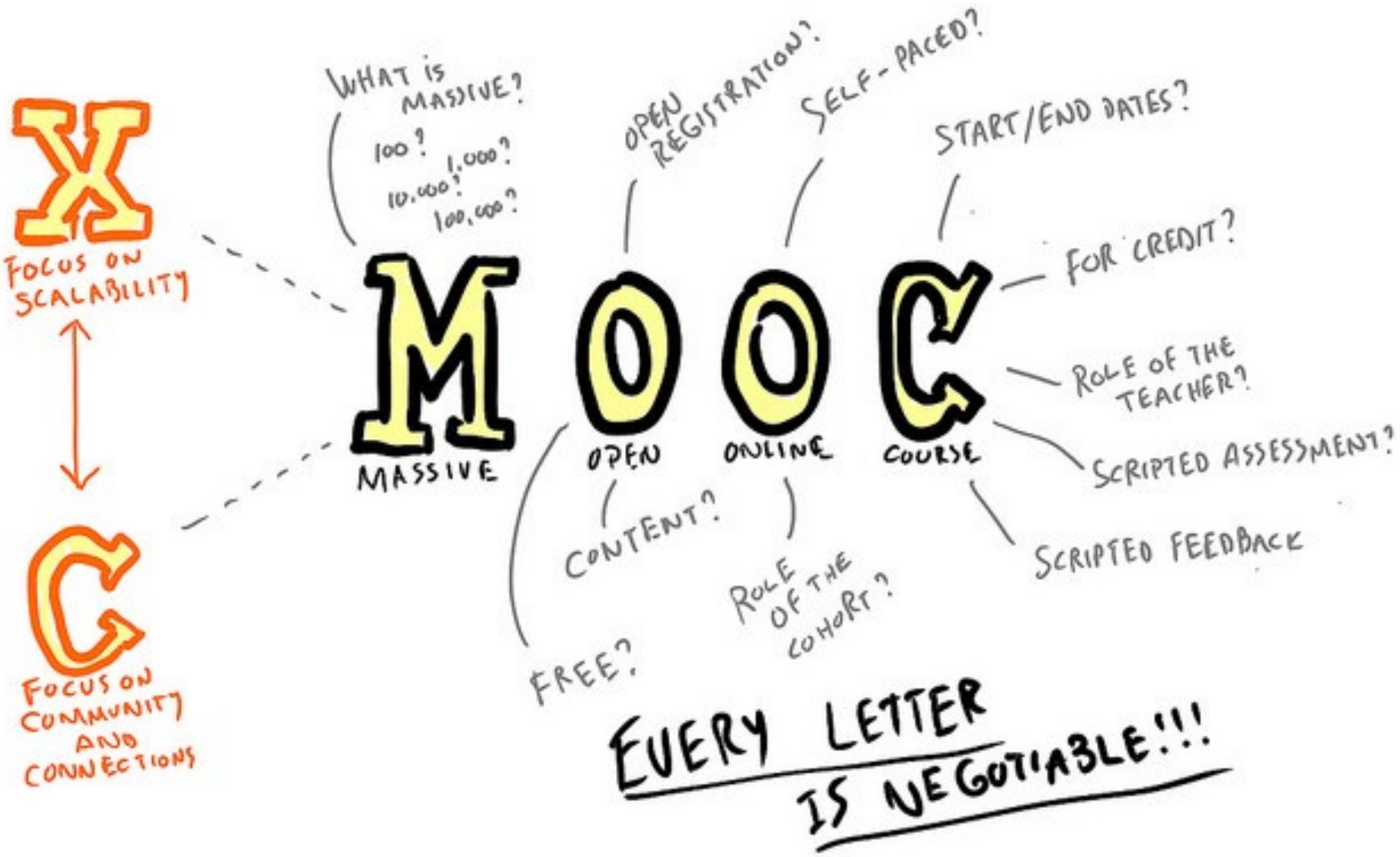
The MOOC Workshop

Stephen Downes – Toronto – February 5, 2015

“Walk away with a plan to integrate MOOCs within your higher education learning environments.”

What would such a plan look like?

http://www.downes.ca/post/63374/rd



BASED ON CONVERSATIONS AT #EDUCON 2.5

CC BY MATHIEU PLOURDE

V. 1, FEB 5, 2013

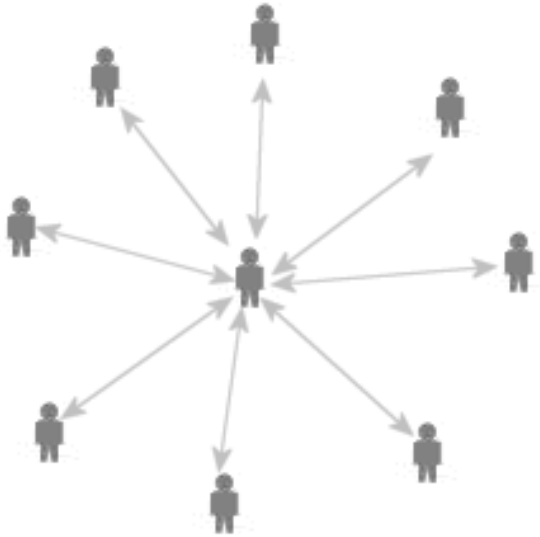
What do we need to support MOOCs?

What would such a plan look like?

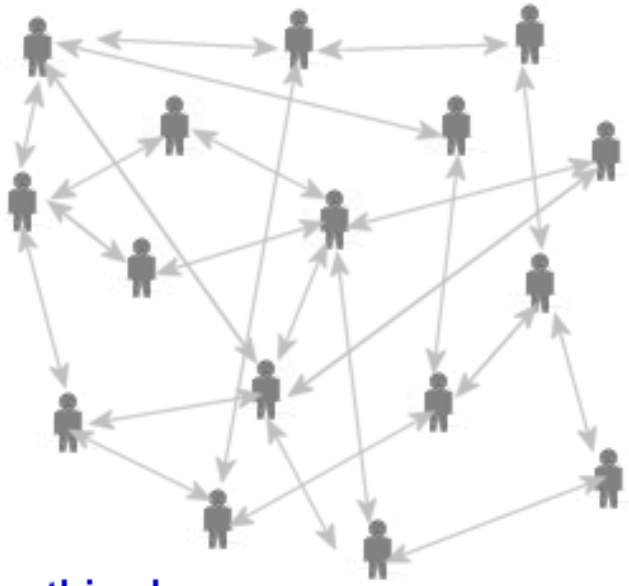
http://www.downes.ca/post/63375/rd

Why we designed MOOCs the way we did...

In Education...



this does not scale



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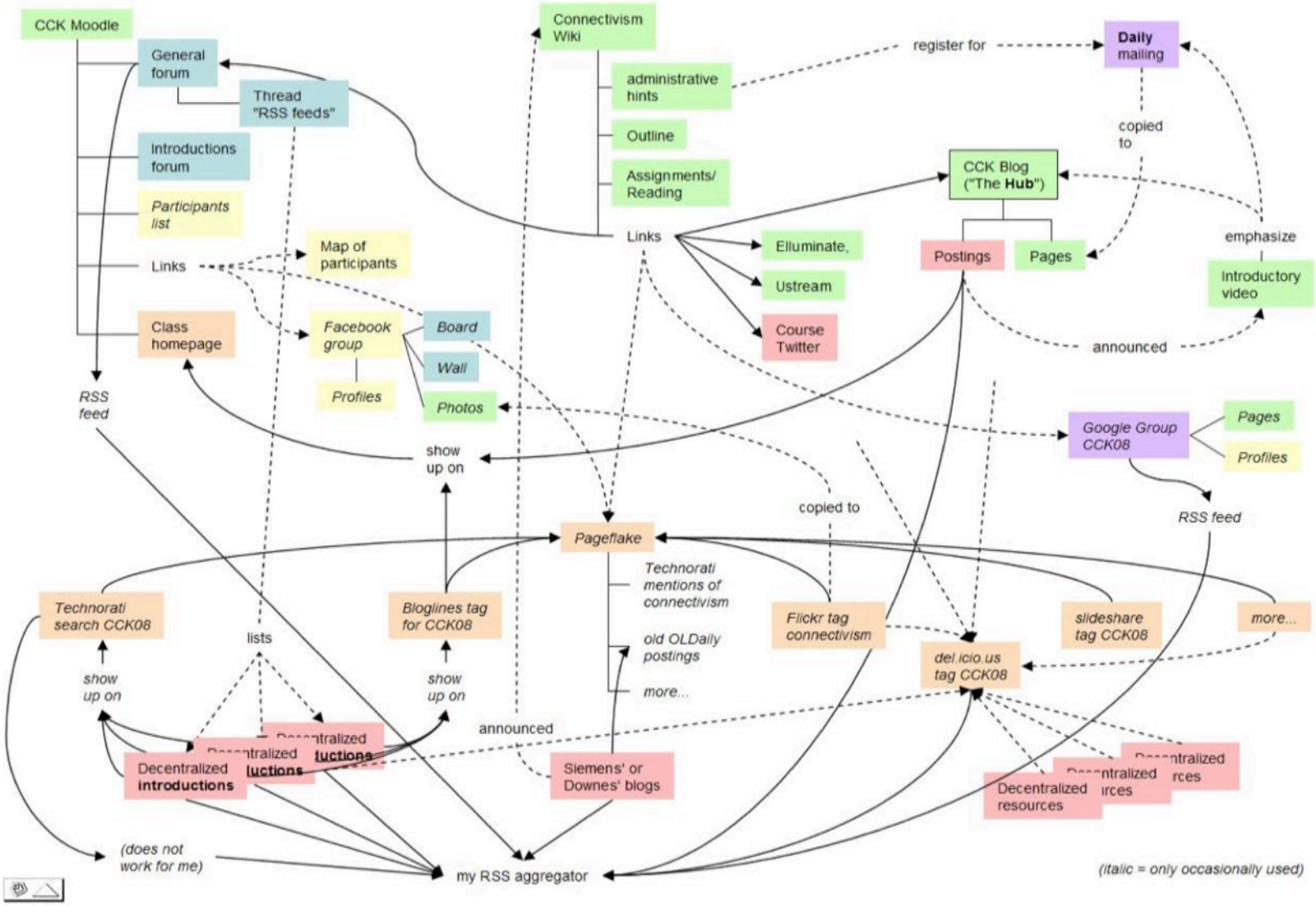
Stephen Downes 2012 cc by-nc-sa


CCK Moodle
General forum
Thread "RSS feeds"
Introductions forum
Participants list
Links
Class homepage
RSS feed
Map of participants
Facebook group
Board
Wall
Photos
Profiles
Connectivism Wiki
administrative hints
Outline
Assignments/ Reading
Links
Elluminate,
Ustream
Course Twitter
register for
Daily mailing
copied to
CCK Blog ("The Hub")
Postings
Pages
emphasize
Introductory video
announced
Google Group CCK08
Pages
Profiles
RSS feed
show up on
copied to
Pageflake
Technorati mentions of connectivism
old OLDaily postings
more...
Technorati search CCK08
Bloglines tag for CCK08
Flickr tag connectivism
slideshare tag CCK08
more...
del.icio.us tag CCK08
lists
show up on
show up on
announced
Decentralized introductions
Siemens' or Downes' blogs
Decentralized resources
(does not work for me)
my RSS aggregator
(italic = only occasionally used)

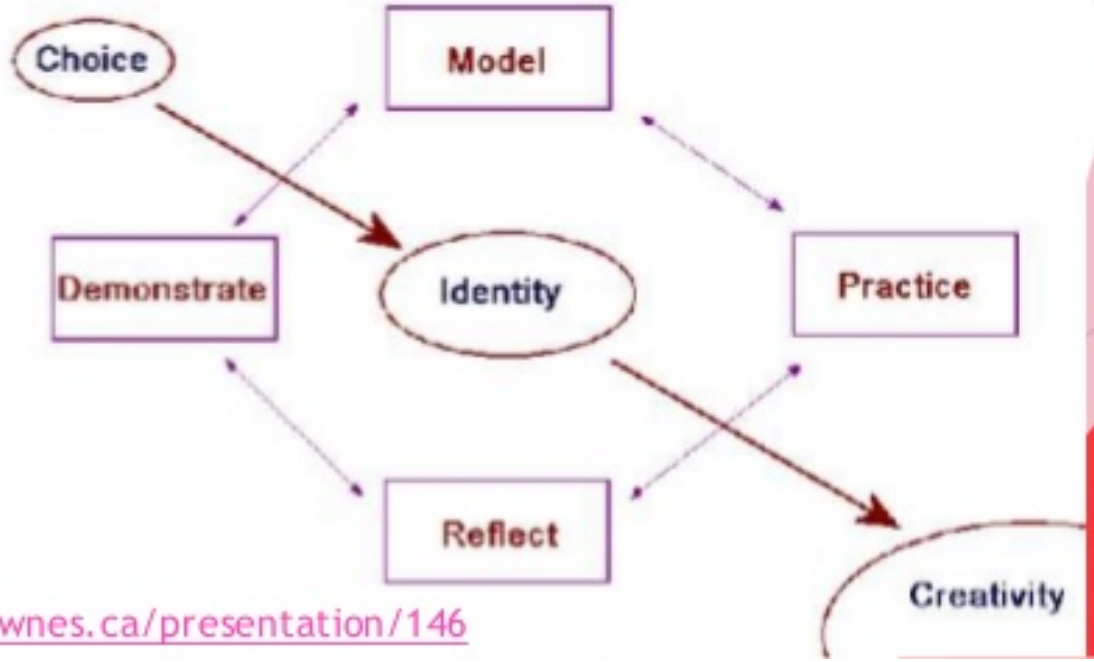
What does content look like in a MOOC?

What would we consider ‘MOOC Pedagogy’?

http://www.downes.ca/post/63376/rd

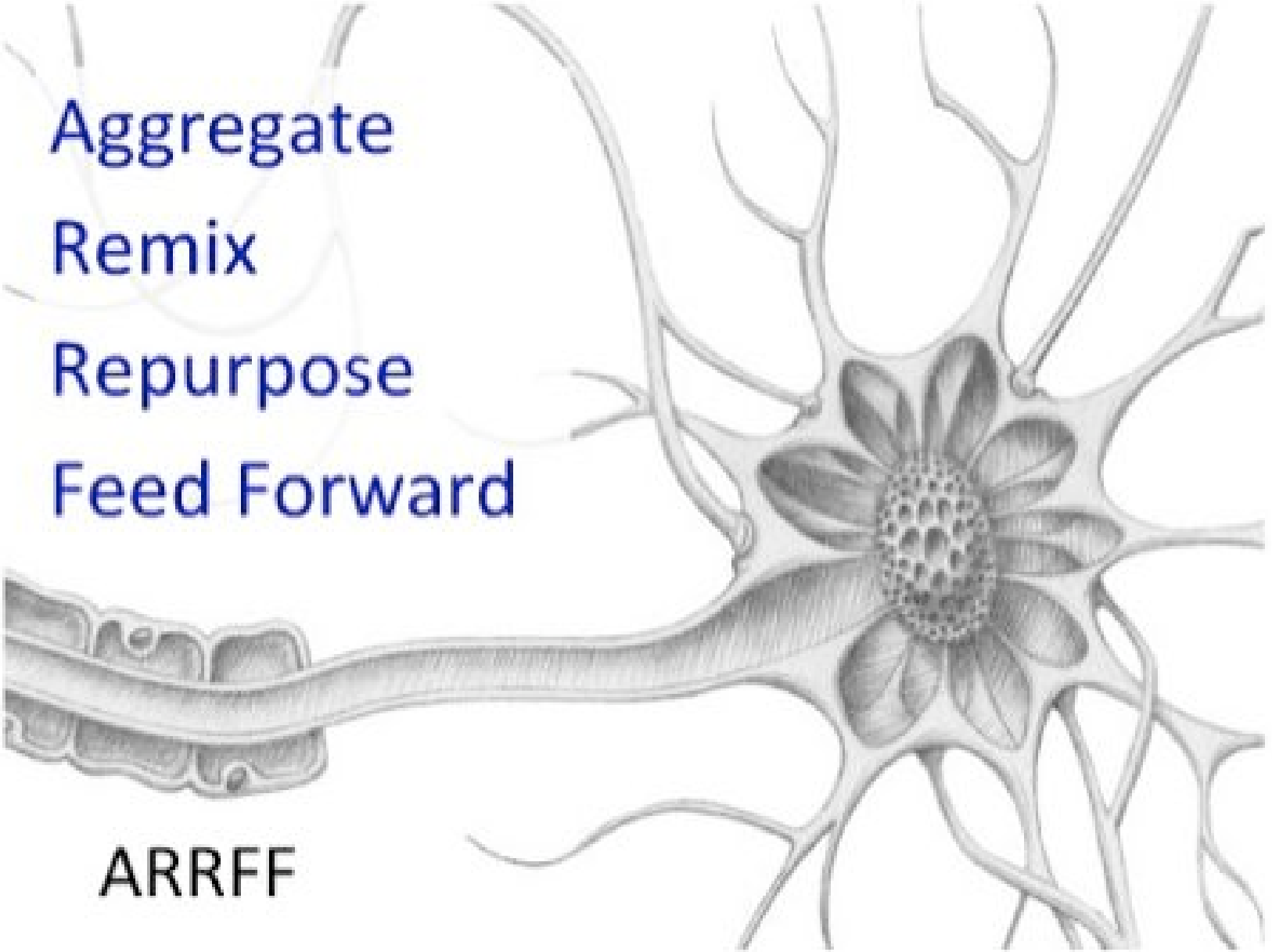
Pedagogical Models

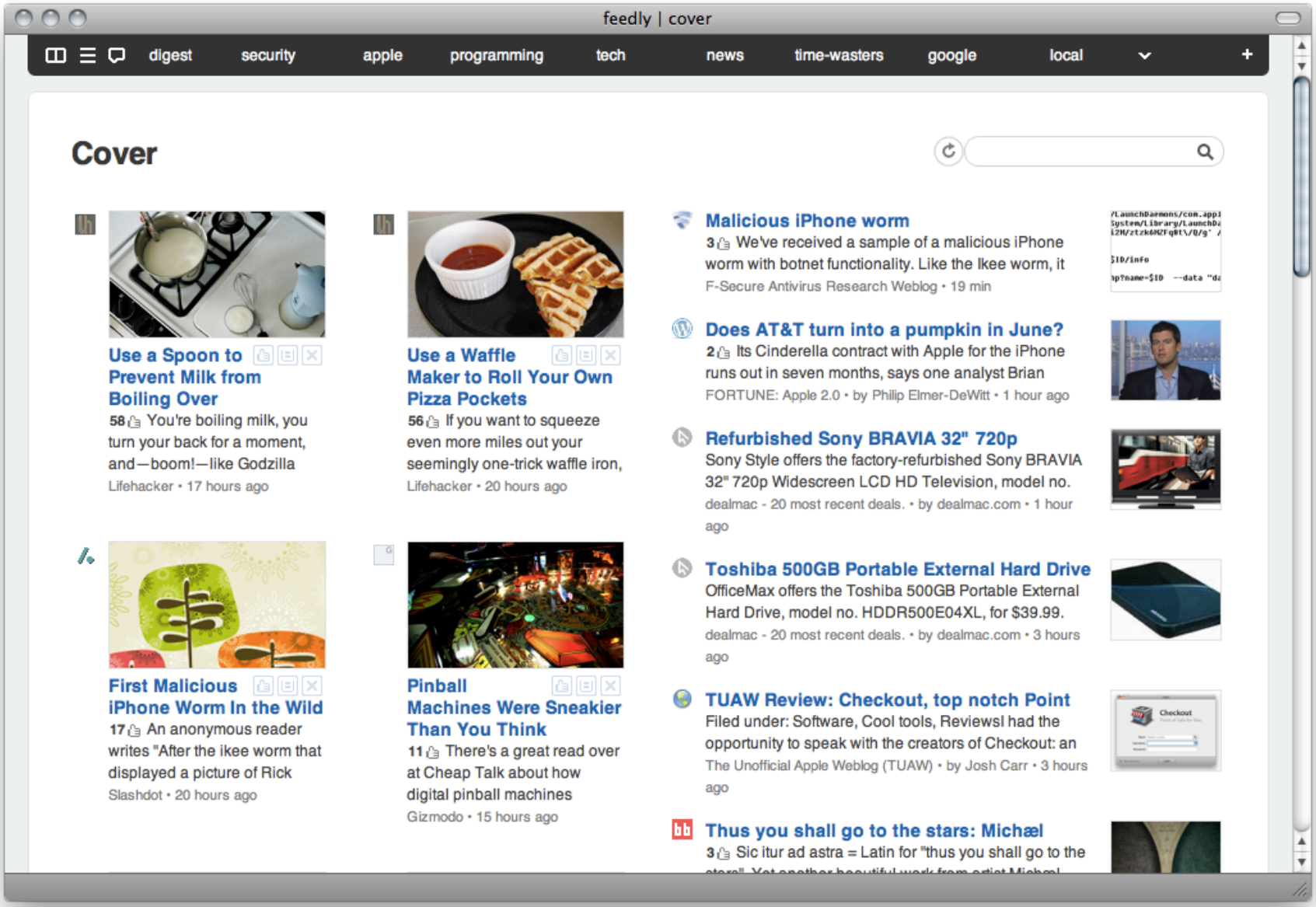
- Instructivist - knowledge as transmission
- Discovery - knowledge as experience
- Constructivist - knowledge as representation
- Connectivist - knowledge as recognition



http://www.downes.ca/presentation/146

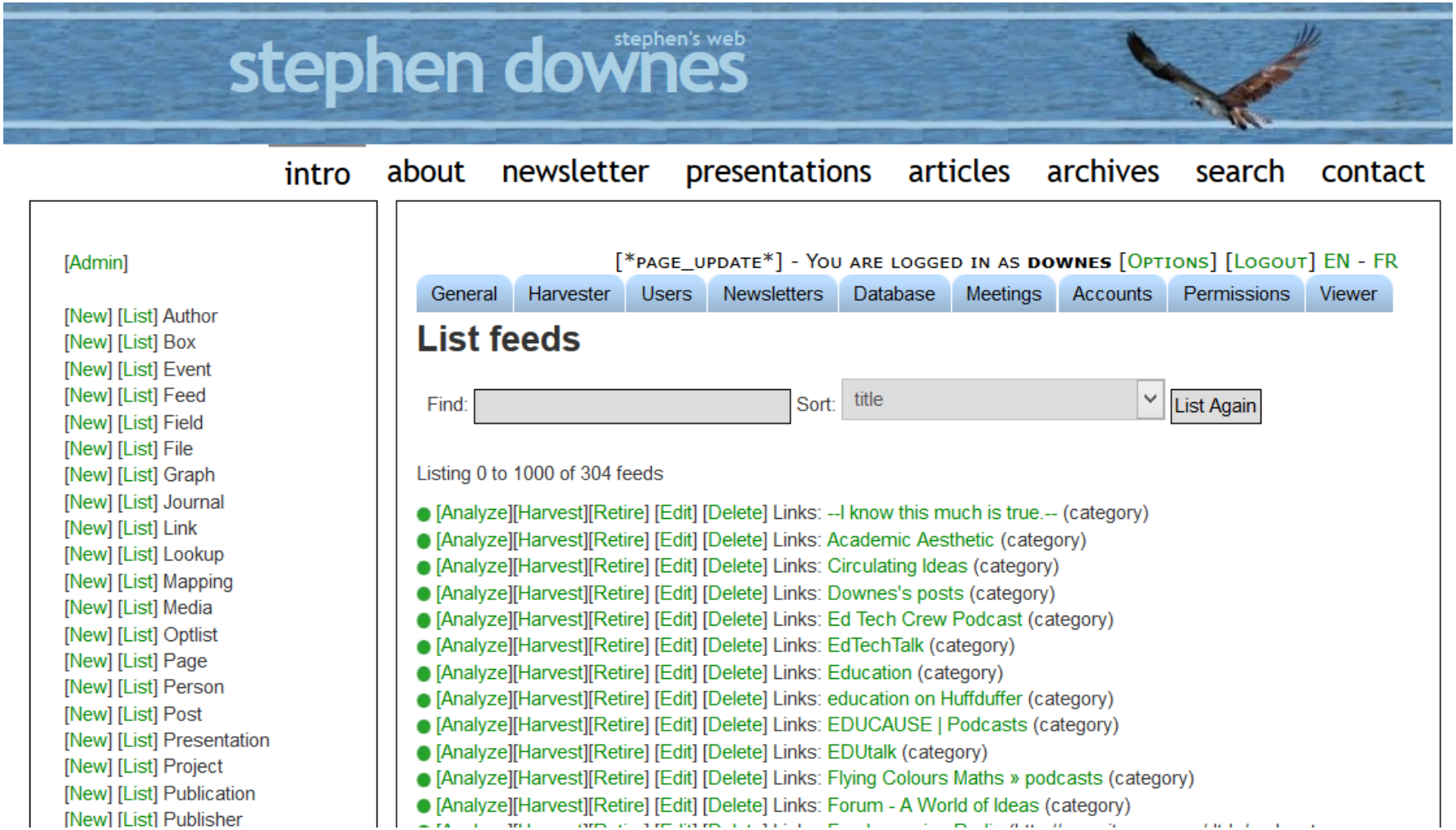
http://jackiegloves.com/en/2013/02/18/ana-locking-2013-mcguffin/


Aggregate
Remix
Repurpose
Feed Forward
ARRFF



http://feedly.com

http://rudis.net/content/2009/11/22/feedly-safari-fluidapp-painless-updates



http://www.downes.ca/cgi-bin/admin.cgi?db=feed&action=list&number=1000

Let’s talk about ‘open’

What is it? Why should we care?

http://www.downes.ca/post/63378/rd

Logic Model

Students awarded credible degree or credential

Participating institutions grant credit for courses

Open assessment from participating institutions

Open student support via "Academic Volunteers International"

Learners access courses based solely on OER

http://creativecommons.org.nz/2012/10/the-oer-university/

Models of Sustainability

- Commercial Models
  - Upselling and Extended Services
  - Advertising and marketing
  - Product and Labour Support
- Non-commercial Models
  - Public Knowledge
  - 'Giving' Knowledge for Free
  - Apache, Wikipedia and Open Source

Why it matters

https://frankounl.wordpress.com/tag/massive-open-online-course/

“Advance Higher Education?”

Let’s talk about deep learning

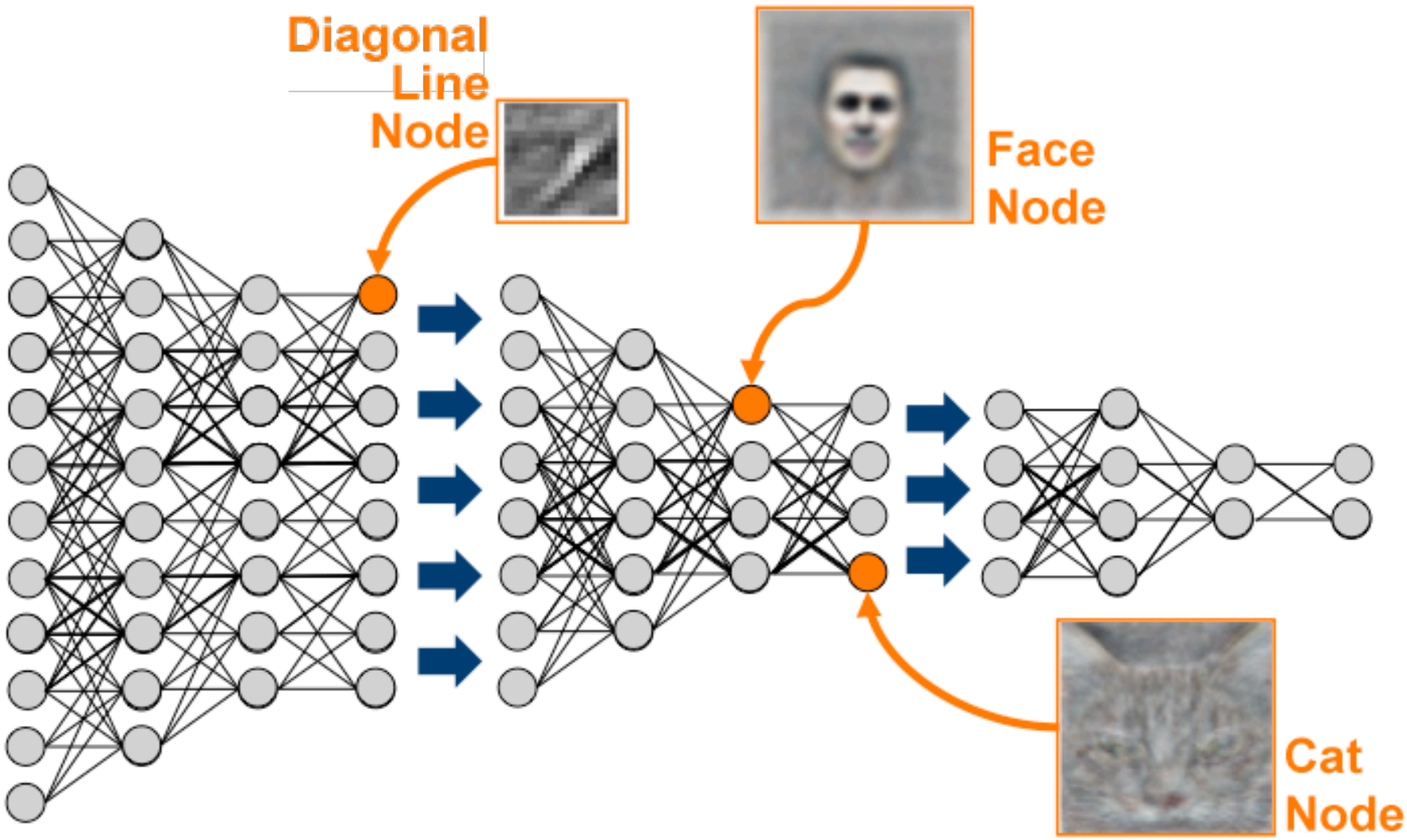
http://www.downes.ca/post/63379/rd

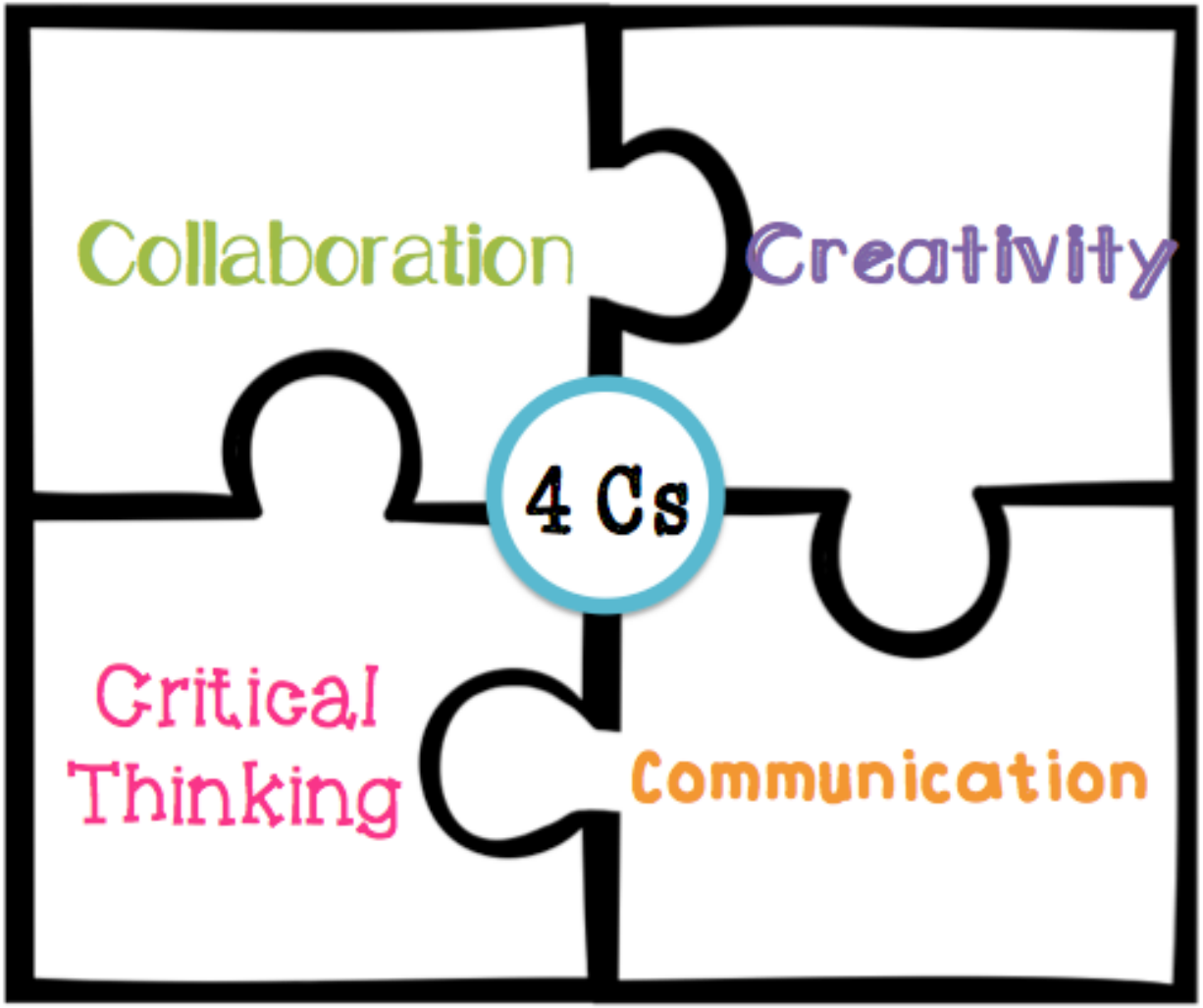
Deep learning vs. Shallow learning

- Focus on entities and connections
- Relates previous and new knowledge
- Uses reflection to relate theory with experience
- Creates understanding, meaning and new ideas
- Leads to positive emotions and attitudes about learning and self

- Focus on unrelated details
- Information is simply memorized
- Facts and concepts accepted unreflectively
- Aims to pass (or perform) instead of understanding
- Leads to negative emotions and attitudes about learning and self

http://e-learning-teleformacion.blogspot.ca/2014/08/deep-learning-tutorials-deeplearnng-01.html

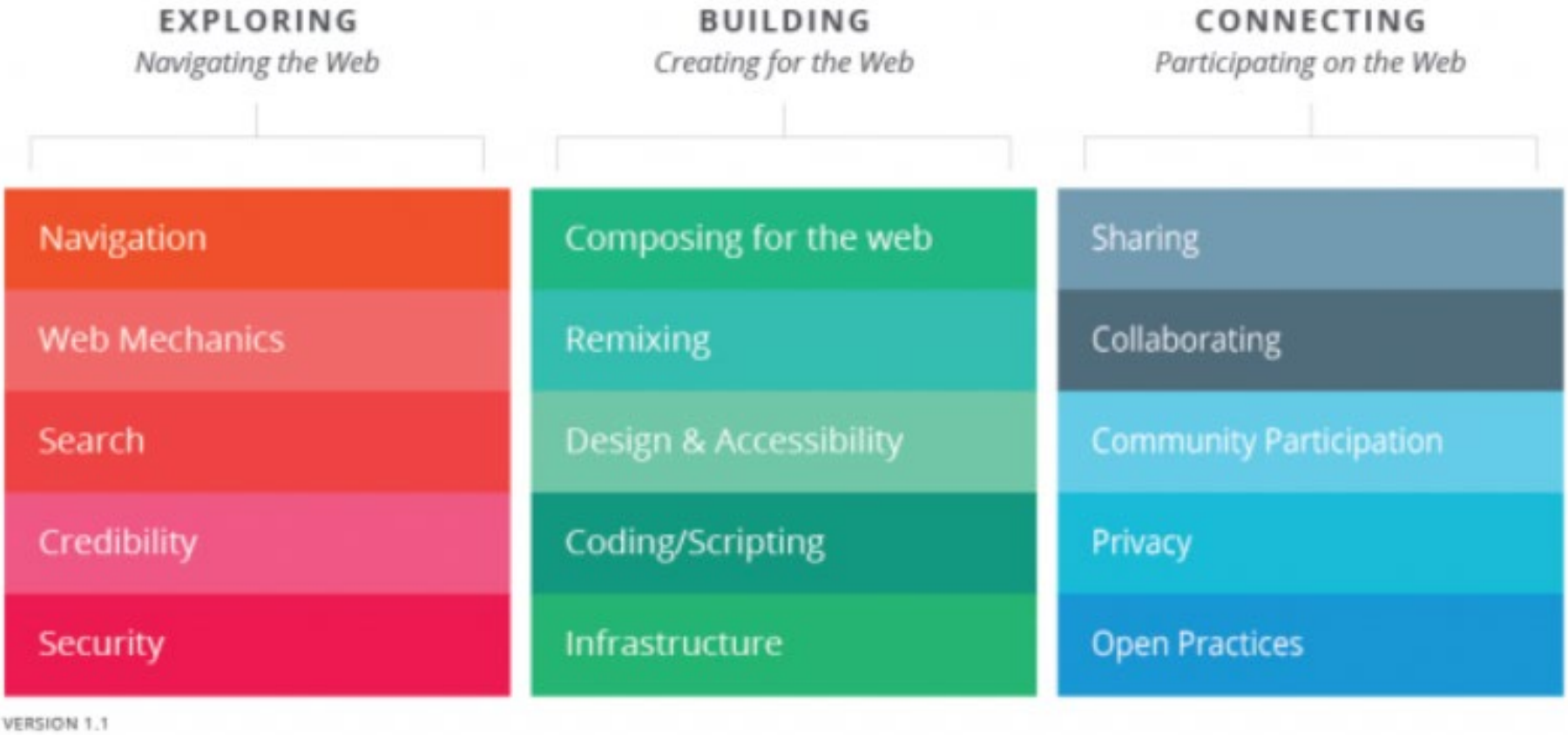

Diagonal
Line
Node
Face
Node
Cat
Node



21st century Literacies

http://runteacherrunriley.blogspot.ca/

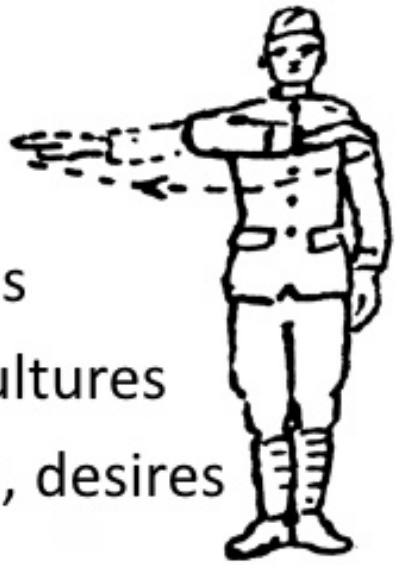
Web Literacy Map



https://wiki.mozilla.org/Webmaker/WebLiteracyMap

Critical Literacies

- The six critical literacies:
  - Cognition – argument, explanation, definition, description
  - Change – patterns of change
  - Pragmaticism – use, effect, cause
  - Syntax – construction, possibilities
  - Context – frames, perspectives, cultures
  - Semantics – meaning, truth, goals, desires



http://www.downes.ca/presentation/233

“Help to achieve learning goals”

What does success look like?

http://www.downes.ca/post/63380/rd

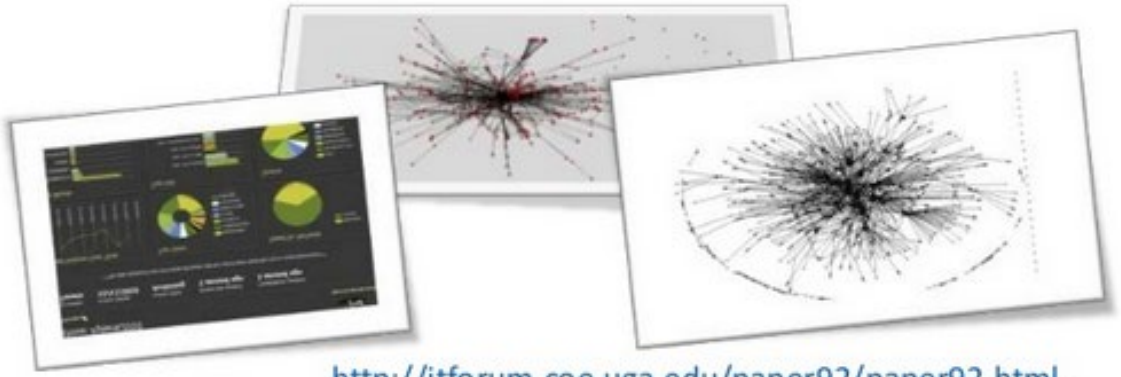
Criteria for aligning the use of technologies

- enhances collaboration
- rigorous engagement with curriculum
- increases opportunities for authentic learning
- supports differentiated learning through various modalities
- creates greater efficiency in the delivery of the lesson
- increases opportunities for self-regulation
- promotes and supports generative thinking
- allows for a wider range of perspectives to be represented

Garfield Gini Newman

The Semantic Condition

- Autonomy, diversity, openness, interactivity
- These conditions are the conditions for a constructive dialogue…
- And are thus the design principles for a MOOC



http://itforum.coe.uga.edu/paper92/paper92.html

http://www.slideshare.net/Downes/free-learning-and-the-wealth-if-nations

The Semantic Condition

http://www.downes.ca/presentation/323

OLDaily

by Stephen Downes
Feb 05, 2015

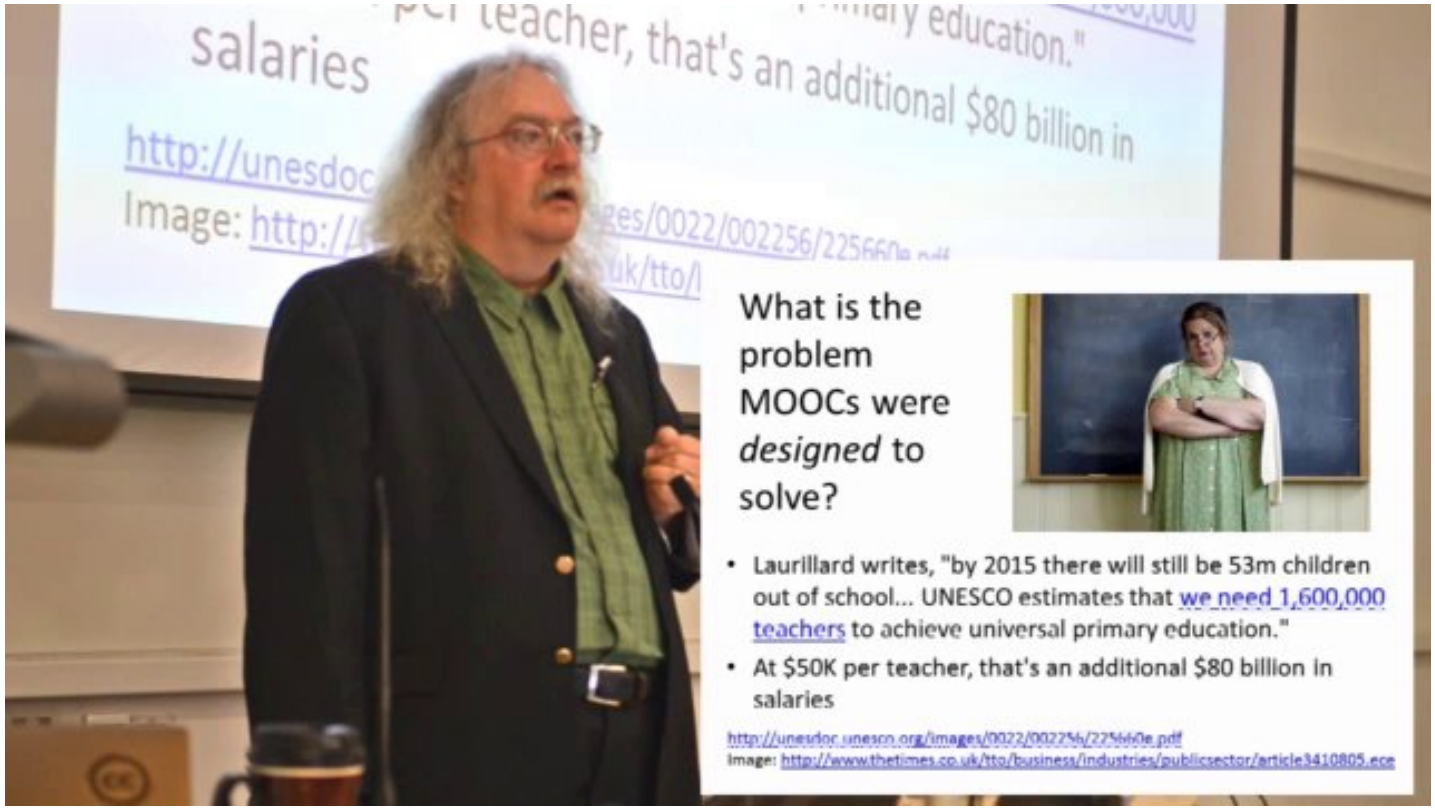
Create Your Own Newsletter

Create your own newsletter! The links in today's OLDaily connect to documents used in my workshop today. You can click on the links and help edit the documents as well. Whatever you create will be the content of today's newsletter.

What Would a Solution Look Like?
2015/02/05

Click on the title to co-edit the document.

http://www.downes.ca/archive/15/02_05_news_OLDaily.htm



Stephen Downes

http://www.downes.ca

00:00 - 00:10 Introductions
00:10 - 00:15 Interactivity - how it works
00:15 - 00:25 Solution to the problem - http://www.downes.ca/post/63374/rd
00:25 - 00:40 What is a MOOC?
00:40 - 00:50 Supporting a MOOC - http://www.downes.ca/post/63375/rd
00:50 - 01:05 Design and Structure of a MOOC
01:05 - 01:10 Curriculum and Content - http://www.downes.ca/post/63376/rd
01:15 - 01:30 AARFF
01:30 - 01:45 Break
01:45 - 01:55 What is Openness? Why Should We Care?
- http://www.downes.ca/post/63378/rd
01:55 - 02:10 OER Logic Model / Models for Sustainability
02:10 - 02:20 Higher learning / Digital Literacies - http://www.downes.ca/post/63379/rd
02:20 - 02:30 Critical literacies
02:30 - 02:40 What is Success? - - http://www.downes.ca/post/63380/rd
02:40 - 02:50 The Semantic Condition
02:50 - 03:00 Wrap Up

- Massive Open Online Courses are an alternative to the traditional classroom setting within higher education. The opportunity to take part in these classes from anywhere that is convenient for a student is an advantage. Weigh the pros and cons to including MOOCs within a diverse learning environment. Walk away with the knowledge and know-how of implementing these kinds of courses. Learn about the following:

- Support learning environments
- Current and future impacts of curriculums
- Open education format
- Advance higher education
- Help to achieve learning goals

- Walk away with a plan to integrate MOOCs within your higher education learning environments.